

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/019139

5K0-136-A

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01M11/06 B60Q1/10 B60Q1/12 B60Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01M B60Q G01R H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/114974 A1 (SMITH JAMES E ET AL) 19 June 2003 (2003-06-19) page 2, paragraph 16 page 3, paragraph 25 page 8, paragraph 53	1
A	US 2003/057955 A1 (GUMBEL MATTHEW J ET AL) 27 March 2003 (2003-03-27) abstract page 1, paragraph 4 page 2, paragraph 20 page 2, paragraph 22 ----- -/-	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

15 March 2005

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24/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/163814 A1 (HAYAMI TOSHIHISA ET AL) 7 November 2002 (2002-11-07) abstract page 2, paragraph 24 page 4, paragraph 32 page 5, paragraph 38 -----	1
A	EP 0 108 257 A (BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT) 16 May 1984 (1984-05-16) abstract -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/019139

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003114974 A1	19-06-2003	EP 1316474 A2 US 2003107898 A1	04-06-2003 12-06-2003
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